

3/9/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Agri Day
PO038763	MEC002-VU	1	1	Net 30	M2024T3A.750X.750X.063W	Angle 2024T3511 .750 x .750 x .063w : MATERIAL: 2024- T3/T3510/T3511 ALUMINUM ANGLE PER AMS-QQ-A- 200/3 OR AMS 4152/4164/4165 receive ft				24	3/27/2018	24		S049805	Stock	3/9/2018	\$ 35.51 / ft	
Total:										24		24						

Plex 3/9/2018 2:23 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038763**

Supplier: MEC002-VU
Metaux Castle
P.O. Box 4090 Stn A
Toronto
ON
M5W OE9 Canada

PO No: PO038763

PO Date: 1/11/18

Due Date: 3/27/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
JAN 11 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M2024T3A.750X.750X.063W	60-34384-23-144	Angle2024T3511 .750 x .750 x .063w : MATERIAL: 2024-T3/T3510/T3511 ALUMINUM ANGLE PER AMS-QQ-A-200/3 OR AMS 4152/4164/4165 receive ft	Firmed	3/27/18	24 ft	0 ft	24 ft	\$35.51/ft	\$852.24
Grand Total:										\$852.24

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/11/18 10:27 AM dart.lavoie.chantal



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No: 3534427

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 08-MAR-18	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier MANTOULIN		BOL No 3534427-2	

Shipment Details

Final Destination Branch - TOR

Order No 5009081	Line No 1	Item No 60-34384-23-144	Description 60-34384-2024, T3511, ALUMINUM, 144.0000, A01 SPECIFICATIONS: AMS-QQ-A-200/3
Purchase Order No 38763	Part Number 24.00 FT		Invoice Qty 24.0000 FT
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX: HEAT #S Email P/s and certs to: clavole@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS			

Delivery No.	Mill/Source	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121652589	UNIVERSAL ALLOY CORP.			1		144.0000	1.3080
121652589	UNIVERSAL ALLOY CORP.					144.0000	1.3080

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Date Printed: 08-MAR-2018 02:51:35 PM

1524041291



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Reviewed by Authorized Castle Metals Representative

Date:

Name:

MAR 08 2018

Page 2 of 2



UAC**EXTRUSION MILL CERTIFICATE OF CONFORMANCE**

Inspection & Test Report

Page 1 / 1

Customer	CASTLE METALS AEROSPACE, 4175 ROYAL DRIVE, SUITE 600		
Certificate Date	05/25/2017	Purchase Order	426750 / 1
Material	2024 <i>al</i>	Order Number	513776
Temper	T3511 <i>al</i>	Part Number	GS180A8BF Rev. BG / TMS60-34384
Specification(s)	AMS-QQ-A-200/3 REV. N/C. AMS 4165 REV. H. ASTM B 221 REV. 14		

Chemical Composition Limits		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
*Remainder aluminum	Min	0.0	0.0	3.8	0.30	1.2	0.0	0.0	0.0		
	Max	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.15

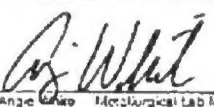
Tensile Test Results				UTS	TYS	Elongation
Lot No.	Temper	Orient.	Location	ksi	ksi	%
C737816	T3511	L	Rear	74.2	56.9	13.5

Additional Information

AMC CA-01113 R 5

This is to certify that material applies to the above order covered by this test report has been inspected in accordance with the specifications and drawing forming a part of this order and conforms with the contract. Representative material has been tested and found to meet the applicable requirements. Further shown are the composition limits and laboratory test results. Documentation verifying conformance to these requirements is on file and available for review.

UNIVERSAL ALLOY CORPORATION

180 Lamar Haley Parkway
Canton, GA 30114
Angie Laine Metallurgical Lab Manager
QUALITY ASSURANCE DEPARTMENT

737816T04

COUNTRY OF MELT & MANUFACTURE - U.S.A.
Rev 04/18/2016

UAC**EXTRUSION MILL CERTIFICATE OF CONFORMANCE**

Inspection & Test Report

Page 1 / 1

Customer	CASTLE METALS AEROSPACE, 4175 ROYAL DRIVE, SUITE 500		
Certificate Date	05/26/2017	Purchase Order	425750 / 1
Material	2024	Order Number	513776
Temper	T3511	Part Number	GS180A9SF Rev BG / TMS60-34384
Specification(s)	AMS-00-A-200/3 REV. H/C, AMS 4165 REV. H, ASTM B 221 REV. 14		

Chemical Composition Limits		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
*Remainder aluminium	Min	0.0	0.0	3.8	0.30	1.2	0.0	0.0	0.0		
	Max	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.15

Tensile Test Results				UTS	TYS	Elongation
Lot No.	Temper	Orient.	Location	ksi	ksi	%
C737816	T3511	L	Rear	74.2	55.9	13.9

Additional Information

AMC CA-01113 R 5

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UNIVERSAL ALLOY CORPORATION
180 Lamar Haley Parkway
Canton, GA 30114

Angie C. White
Angie C. White Metallurgical Lab Manager
QUALITY ASSURANCE DEPARTMENT

UAC
Q.A.
12
Lab Approval



737816T04

COUNTRY OF MELT & MANUFACTURE - U.S.A.
Rev 04/18/2016

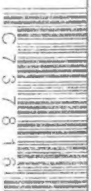
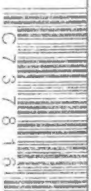

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:3527381

Ship From:		Sold To:		Ship To:		Deliver To:	
A. M. CASTLE & CO. 4175 ROYAL DRIVE SUITE 600 KENNESAW, GA 30144 USA		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped		F.O.B.		Freight Terms		Carrier	
01-MAR-18		ORIGIN		Prepaid		ARCBEST	
						BOL No	
						3527381-2	

Shipment Details	Final Destination Branch - TOR										
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Order No	Line No	Item No	Description				
5009081	1	60-34384-23-144	60-34384.2024.T3511.ALUMINUM.144.0000.A01 SPECIFICATIONS: AMS-QQ-A-200/3				
Purchase Order No	Part Number	Ordered Qty	Invoice Qty				
38763		24.00 FT	24.0000 FT				
Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clayvie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No.	Mill/Source	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121652589	UNIVERSAL ALLOY CORP.			1		144.0000	1.3080
							
121652589	UNIVERSAL ALLOY CORP.			1		144.0000	1.3080

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 2 of 2

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Reviewed by Authorized Castle Metals Representative:

Walter Mason

Date:

Name:

UAC**EXTRUSION MILL CERTIFICATE OF CONFORMANCE**
Inspection & Test Report

Page 1 / 1

Customer	CASTLE METALS AEROSPACE, 4175 ROYAL DRIVE, SUITE 600		
Certificate Date	05/26/2017	Purchase Order	426750 / 1
Material	2024	Order Number	513776
Temper	T3511	Part Number	GS180A8BF Rev. BG / TMS60-34384
Specification(s)	AMS-QQ-A-200/3 REV. N/C, AMS 4165 REV. H, ASTM B 221 REV. 14		

Chemical Composition Limits		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti				Others	
													Each	Total
*Remainder aluminium	Min	0.0	0.0	3.8	0.30	1.2	0.0	0.0	0.0					
	Max	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15				0.05	0.15

Tensile Test Results				UTS	TYS	Elongation
Lot No.	Temper	Orient.	Location	ksi	ksi	%
C737816	T3511	L	Rear	74.2	56.9	13.9

Additional Information

AMC CA-01113 R 5

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UNIVERSAL ALLOY CORPORATION
180 Lamar Haley Parkway
Canton, GA 30114

Angie White
Angie White Metallurgical Lab Manager
QUALITY ASSURANCE DEPARTMENT



COUNTRY OF MELT & MANUFACTURE - U.S.A.
Rev. 04/18/2016



737816T04

UAC**EXTRUSION MILL CERTIFICATE OF CONFORMANCE**
Inspection & Test Report

Page 1 / 1

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Tensile Test Results				UTS	TYS	Elongation
Lot No.	Temper	Orient.	Location	ksi	ksi	%
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180 Lamar Haley Parkway
Canton, GA 30114

Ango White
Ango White Metallurgical Lab Manager
QUALITY ASSURANCE DEPARTMENT



COUNTRY OF MELT & MANUFACTURE - U.S.A.
Rev 04/18/2016



737816T04

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M202413A-750X.750X.063W PO / BATCH NO.: 038763/5049805
 DATE: MAR 09 2018

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063W
 THICKNESS RECEIVED: .063W
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	<u>AMS-QQ-A-200/3</u>
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	<u>Heat # 6737816</u>
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

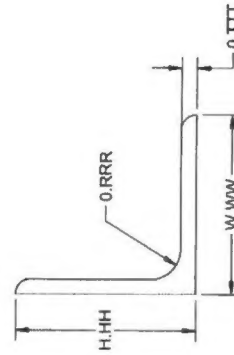
testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>9-MAR 09 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

RELEASED
2011-03-02
mf

E.G. 0.75" X 0.75" X 0.125" X 0.125" = M2024T3AH0.75XW0.75XT0.125XR0.125



A	NEW ISSUE	DESCRIPTION		AJS	DATE
REV.					
DESIGN					
DRAWN					
CHECKED					
MFG. APPR.					
APPROVED					
DE APPR.					

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **M2024T3A**

TITLE **2024-T3 ANGLE**

REV. A

SHEET 1 OF 1

SCALE

NTS

DATE **11.02.14**

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